

**USENVT06 - Environmental Science Paper-II : Natural Resources and GIS**

P. Pages : 1

Time : Three Hours



**GUG/W/22/11607**

Max. Marks : 50

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- Notes : 1. All questions are compulsory and carry equal marks.  
2. Illustrate the answer with suitable diagrams and examples.

1. Define natural resources. Describe coal and nuclear energy as a non – renewable sources of energy. **10**
- OR**
- a) Describe alcohol as a source of energy in future. **5**  
b) What are the energy conservation measures in industrial establishment? **5**
2. Describe land as a resources and major challenges related to its utilization. **10**
- OR**
- a) Write about roof top rain water harvesting method. **5**  
b) Give the role of biofertilizer in soil fertility. **5**
3. Describe floods and droughts as hydrometeorological disasters. **10**
- OR**
- a) How prediction and prevention of disaster is done? **5**  
b) Explain the salient features of Disaster Management Act – 2005 **5**
4. What is GIS? Explain the role of GIS in pollution monitoring and forest cover. **10**
- OR**
- a) Write about hyperspectral remote sensing. **5**  
b) How digital image processing is carried out? **5**
5. Answer in brief **any ten**. **10**
- a) What is biofuel?  
b) Give the examples of renewable energy resources.  
c) What is the full form of OTEC?  
d) What is rain water harvesting?  
e) Define watershed.  
f) Name the sources of water supply  
g) What are the effects of earth quakes?  
h) What is meaning of biological disaster?  
i) Define risk assessment.  
j) Define remote sensing.  
k) What is image restoration?  
l) Write the full form of EMR.

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